

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) An apparatus for detecting a plurality of environmental conditions comprising:
 - a housing unit containing ~~at least one sensor selected from a group consisting of a temperature sensor, and~~ a light sensor;
 - a memory storage device disposed in said housing unit;
 - a circuit board electrically connected to said at least one sensor and the memory storage device, and contained within the housing unit; and
 - at least one moisture probe physically connected to the housing unit, and electrically connected to the circuit board.
2. (Currently Amended) The apparatus of claim 1 wherein said ~~at least one sensor includes a sunlight intensity sensor and~~ housing unit contains a temperature sensor.
3. (Original) The apparatus of claim 1 wherein the housing unit further comprises an accessible compartment providing access to the memory storage device.
4. (Original) The apparatus of claim 1 wherein the memory storage device interfaces with the circuit board through a universal serial bus (USB).

5. (Original) The apparatus of claim 1 further comprising a global positioning satellite (GPS) system which provides geographic information.
6. (Currently Amended) The apparatus of claim ~~[[1]]~~ 2 wherein the light sensor ~~[[is]]~~ includes an ultraviolet sensor and the temperature sensor is a thermometer.
7. (Original) The apparatus of claim 1 further comprising a battery in the housing unit.
8. (Original) The apparatus of claim 7 further comprising a battery charger connectable to said housing unit to recharge the battery.
9. (Original) The apparatus of claim 7 further comprising at least one solar cell for recharging the battery.

10. (Currently Amended) A method of determining vegetation capable of thriving in a plurality of environmental conditions, comprising the steps of:

- sensing the plurality of environmental conditions including sunlight intensity with an environment detection apparatus;
- storing the plurality of environmental conditions on a memory storage device; and
- downloading the plurality of environmental conditions to a database, wherein the database displays a list of vegetation capable of surviving in the plurality of stored environmental conditions.

11. (Currently Amended) The method of claim 10 wherein the plurality of environmental conditions comprises a geographic location, ~~a sunlight intensity reading,~~ a date and time reading, a temperature reading, and a moisture reading.

12. (Original) The method of claim 11 wherein at least one ultraviolet sensor determines the sunlight intensity reading, and at least one moisture probe determines the moisture reading.

13. (Original) The method of claim 12 wherein a global positioning satellite system determines the geographic location, the date and time reading, and the temperature reading.

14. (Original) The method of claim 12 wherein the user manually inputs the geographic location into the database, a timer determines the date and time reading, and a thermometer determines the temperature reading.

15. (Currently Amended) A control system for using an environment detection apparatus as an activation device for a sprinkler system comprising:
at least one sensor determining at least one environmental condition including sunlight intensity;
at least one logical operation producing an output to an actuator based on the at least one environmental condition; and
the actuator activating the sprinkler system based on the output of the at least one logical operation.

16. (Cancelled)

17. (Currently Amended) The control system of claim ~~[[16]]~~ 15 wherein at least one ultraviolet sensor determines the sunlight intensity reading.

18. (Currently Amended) The control system of claim 15 wherein the at least one environmental condition ~~[[is]]~~ includes a moisture reading.

19. (Original) The control system of claim 18 wherein a moisture probe determines the moisture reading.

20. (Currently Amended) The control system of claim 15 wherein the at least one environmental condition ~~[[is]]~~ includes a weather forecast which is read from a remote device.

21. (New) An apparatus for detecting a plurality of environmental conditions comprising:

a housing unit including a first sensor configured to measure an above soil condition;

a memory storage device disposed in said housing unit;

a circuit board electrically connected to said first sensor and said memory storage device, and contained within said housing unit; and

a second sensor including a moisture probe physically connected to said housing unit and electrically connected to said circuit board.

22. (New) The apparatus of claim 21, wherein said first sensor includes a light sensor.

23. (New) The apparatus of claim 21, wherein said first sensor includes a temperature sensor.